

THE CLAIMS

What is claimed is:

- 5 1. A pharmaceutical composition for treating, preventing, or managing a dermatological condition selected from the group consisting of a scalp condition, a hair condition, and a nail condition comprising:

hydrogen peroxide in an amount sufficient to cleanse a dermatological surface without substantial irritation thereof;

- 10 a moisturizing agent in an amount sufficient to facilitate hydration of the dermatological surface or prevent moisture loss from the dermatological surface; and

- one or more dermatological agents selected from an antimicrobial agent in an amount sufficient to inhibit microorganisms on the scalp, hair, or nails; an anti-inflammatory agent in an amount sufficient to reduce inflammation of the scalp, hair, or nails; or a combination thereof.

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2. The pharmaceutical composition of claim 1, wherein the dermatological condition is a scalp condition.

- 20 3. The pharmaceutical composition of claim 1, wherein the dermatological condition is a hair condition.

4. The pharmaceutical composition of claim 1, wherein the dermatological condition is a nail condition.

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5. The pharmaceutical composition of claim 1, wherein the moisturizing agent is a hydrophobic agent, hydrophilic agent, or a combination thereof.

6. The pharmaceutical composition of claim 1, wherein the antimicrobial agent is
30 selected from an antibacterial, antifungal, antiviral, an anthelmintic, or combinations thereof.

7. The pharmaceutical composition of claim 6, wherein the antimicrobial is a single broad spectrum antimicrobial agent selected from echinacea, golden seal, benzalkonium chloride, benzethonium chloride, iodine, grape seed extract, pomegranate extract, green tea extract, polyphenols, and combinations thereof.

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8. The pharmaceutical composition of claim 6, wherein the antibacterial is selected from triclosan, neomycin, polymyxin, bacitracin, clindamycin, benzoyl peroxide, a tetracycline, a sulfa drug, a penicillin, a quinolone, a cephalosporin, and combinations thereof.

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9. The pharmaceutical composition of claim 6, wherein the antiviral is selected from acyclovir, tamivir, penciclovir, and combinations thereof.

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10. The pharmaceutical composition of claim 6, wherein the antifungal is selected from farnesol, econazole, fluconazole, clotrimazole, ketoconazole, calcium or zinc undecylenate, undecylenic acid, butenafine hydrochloride, ciclopirox olamine, miconazole nitrate, nystatin, sulconazole, terbinafine hydrochloride, and combinations thereof.

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11. The pharmaceutical composition of claim 6, wherein the anthelmintic is metronidazole.

12. The pharmaceutical composition of claim 1, wherein the anti-inflammatory is a non-steroidal agent, a steroidal agent, or a combination thereof.

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13. The pharmaceutical composition of claim 12, wherein the steroidal agent is selected from hydrocortisone, fluocinolone acetonide, halcinonide, halobetasol propionate, clobetasol propionate, betamethasone dipropionate, betamethasone valerate, triamcinolone acetonide, and combinations thereof.

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14. The pharmaceutical composition of claim 12, wherein the non-steroidal agent is selected from aspirin, ibuprofen, ketoprofen, naproxen, aloe vera gel, aloe vera, licorice extract, pilewort, Canadian willow root, zinc, allantoin, and combinations thereof.

15. The pharmaceutical composition of claim 1, further comprising a pharmaceutically acceptable carrier or excipient.

5 16. The pharmaceutical composition of claim 1, further comprising an exfoliant.

17. The pharmaceutical composition of claim 16, wherein the exfoliant is an enzymatic exfoliant.

10 18. The pharmaceutical composition of claim 16, wherein the exfoliant is an acidic exfoliant.

15 19. The pharmaceutical composition of claim 1, further comprising an amount of amphoteric surfactant and an amount of citric acid sufficient to inhibit hydrogen peroxide decomposition for at least three months.

20 20. The pharmaceutical composition of claim 19, wherein the amount of amphoteric surfactant and citric acid is sufficient to inhibit hydrogen peroxide decomposition at 40° C for at least three months.

25 21. The pharmaceutical composition of claim 1, wherein the hydrogen peroxide is present in an amount from about 0.01 to 6 weight percent of the composition and the moisturizing agent is present in an amount from about 0.01 to 20 weight percent of the composition.

22. The pharmaceutical composition of claim 1, further comprising an amount of Retinol, Vitamin K, Arnica Montana, an immuno-enhancer, anti-oxidant, an extract of pomegranate, an extract of Morinda citrifolia, and combinations thereof.

30 23. A method of treating, preventing, or managing a dermatological condition selected from the group consisting of a scalp condition, a hair condition, and a nail condition

in a patient which comprises administering to the patient a therapeutically effective amount of a composition comprising:

hydrogen peroxide in an amount sufficient to cleanse the surface of the scalp, hair, or nails without substantial irritation thereof;

5 a moisturizing agent in an amount sufficient to facilitate hydration of the dermatological surface or prevent moisture loss from the dermatological surface; and

one or more dermatological agents selected from an antimicrobial agent in an amount sufficient to at least inhibit microorganisms on the scalp, hair, or nails; an anti-inflammatory agent in an amount sufficient to reduce inflammation of the scalp, hair, or nails; or a combination
10 thereof for treating, preventing, or managing the dermatological condition.

24. The method of claim 23, wherein the antimicrobial agent is selected from an antibacterial, antifungal, antiviral, an anthelmintic, and combinations thereof.

15 25. The method of claim 23, wherein the hydrogen peroxide, the moisturizing agent, and the one or more dermatological agents are administered topically.

26. The method of claim 25, wherein the topical administration is by a gel, paste,
20 cream, lotion, emulsion, shampoo, or ointment.

27. The method of claim 23, wherein the hydrogen peroxide, the moisturizing agent, and the one or more dermatological agents are administered concurrently.

25 28. The method of claim 23, wherein the hydrogen peroxide, the moisturizing agent, and the one or more dermatological agents are administered concurrently with at least one additional pharmaceutical composition for the prevention, treatment, or management of a dermatological condition.

30 29. The method of claim 28, wherein the at least one additional pharmaceutical composition is selected from yellow dock, bupleurum, poria cocos, gentian root, myrr gum,

hawthorn berry extract, rosemary extract, wild yam root, wild yam extract, marshmallow root, black cohosh, soy, ginger, an anti-oxidant, an immuno-enhancer, and combinations thereof.

30. The method of claim 23, wherein the dermatological condition is at least one of
5 psoriasis, folliculitis, rosacea, nail fungus, perioral dermatitis, seborrheic dermatitis, dandruff, or impetigo.

31. The method of claim 23, wherein about 1 mg to 20,000 mg of the composition
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